

Patent Claims

1.

A waterproof footwear
with an upper material shaft (11),
with a functional layer shaft (13) arranged on the inside of the upper material shaft (11), containing a waterproof functional layer
with an insole (15)
and with an outsole (29),
wherein the sole-facing end area (27, 17) of both the upper material shaft (11) and the functional layer shaft (13) is turned around the circumferential edge of the insole (15) between the insole (15) and the outsole (29) -
wherein
the sole-facing end area (27) of the upper material shaft (11) is connected in the form of a lasting allowance,
the sole-facing opening of the functional layer shaft (13) is closed by means of a closing piece (21) and which is sewn to the edge of this opening (23) and which extends underneath the insole (15),
and that between the closing piece (21) and the lasting allowance (27) of the upper material shaft (11) a waterproof sealant is arranged (25) which seals both the seam (23) between the functional layer shaft (13) and the closing piece (21) and the closing piece (21) itself.

2.

A footwear of Claim 1, wherein the functional layer is water vapor permeable.

3.

A footwear of claim 1 or 2, wherein the upper material shaft (11) is water vapor permeable

4.

A footwear of one of Claims 1 to 3, wherein the functional layer shaft (13) and the closing piece (21) are sewn together by means of a Strobel seam (23).

5.

A footwear of one of Claims 1 to 4, wherein an adhesive-like sealant material (25) is provided.

6.

A footwear of one of Claims 1 to 4, wherein a film or plate-like sealant material is provided.

7.

A footwear of one of Claims 1 to 6, wherein the closing piece (21) consists of an electrically conductive material.

8.

A footwear of Claim 7, wherein the seam (23) connecting the functional layer shaft (13) and the closing piece (21) is sewn with an electrically conductive sewing material.

9.

A footwear of one of Claims 1 to 8, wherein an outsole (29) is mounted on the lasting allowance (27) of the upper material shaft (11) and the sealant material (25).

10.

A footwear of Claim 9, wherein the outsole (29) is mounted to the footwear by injection molding.

11.

A footwear of Claim 9, wherein the outsole (29) is adhesively attached.

12.

A footwear of one of Claims 1 to 11,
wherein the functional layer consists of expanded, microporous PTFE.